

- FIG. 59. *Phanomeris dubius* ♀, Nov. 1900.
 60. *Pimpla tuberala* ♂, April 1900.
 61. " " ♀, Nov. 1900.
 62. *Callilestes stigmatellus*, Nov. 1900.

EXPLANATION OF PLATE XIX.

MÜLLERIAN MIMICRY IN GROUPS OF SOUTH AFRICAN COLEOPTERA AND HEMIPTERA, ETC.

Figs. 30 to 38 twice the natural size ; Figs. 53 to 59 one and a half times natural size ; all other figures of the natural size.

All the specimens, except that shown in Fig. 16, were captured by Guy A. K. Marshall, and all, unless otherwise stated, are from Salisbury, Mashonaland, 5000 feet.

Figs. 1 to 16 represent a powerful group of *Contharidæ* and the insects convergent towards them, and having conspicuous cream, orange or red bands on a black ground. The group gradually merges into that shown in Figs. 17 to 29, in which the ground-colour is orange or yellow with black bands, sometimes broken up into spots.

- FIG. 1. *Mylabris dicincta*, Dec. 1898.
 2. " *tettensis*, Nov. 1898 to Jan. 1899.
 3. " " Dec. 1898.
 4. " *tricolor*, Nov. 1898 to Jan. 1899.
 5. " *oculata* " " "
 6. " " Dec. 1898.
 7. *Actenodia chrysomelina*, Dec. 1898.
 8. " " Nov. 1898.
 9. *Mylabris holosericea*, Dec. 1898.
 10. *Decatoma lunata*, Nov. 1898 to Jan. 1899.
 11. *Actenodia chrysomelina*, Dec. 1900.
 12. *Decatoma lunata*, var., Nov. 1898 to Jan. 1899.
 13. *Mylabris oculata* " " " "
 14. *Cymatura bifasciata*, Dec. 1898.
 15. *Ceropopsis caffer*, Dec. 1898.
 16. *Anubis mellyi*, Colenso, Natal.
 17. *Oncopeltus famelicus*, Sept. 1900.
 18. *Melitonoma* n. sp., Dec. 1898.
 19. " *truncatifrons*, Oct. 1901.
 20. *Clythra wahlbergi*, Dec. 1898.
 21. *Melitonoma litigiosa*, Jan. 1901.

- FIG. 22. *Antipus rufus* ♀, Oct. 1901.
 23. *Melitonoma epistomalis*, Oct. 1901.
 24. *Clythra lacordairei*, Oct. 1901.
 25. *Antipus rufus* ♀, Feb. 1899.
 26. *Aulacophora festiva*, Oct. 1901.
 27. *Cryptocephalus quinqueplagiatus*, Dec. 1900.
 28. " *varioplagiatus*, Oct. 1901.
 29. *Syagrus marshalli*, Sept. 1900.
 Figs. 30 to 38 show a very well-defined group of small Coleoptera in which the head and thorax are bright red and elytra creamy-white with transverse black bands or spots.
 30. *Platyxantha bicincta*, × 2, Jan. 1899.
 31. *Gymandrophthalma posticalis* ♀, × 2, Feb. 1899.
 32. *Monolepta rincta* ♀, × 2, Jan. 1899.
 33. *Crioceris coronata* " " "
 34. *Paralepta ornata* " " "
 35. *Asbecesta* " " " "
 36. *Uroductylus* sp. ♂ " " "
 37. " " ♀ " " "
 38. *Apoderus gentilis* " Nov. 1898.
 Figs. 39 to 42 show a convergent group of an Hemipteron and two Coccinellids with the characteristic red or yellow and black spotted coloration of the latter family.
 39. *Steganocerus multipunctatus*, Feb. 1899.
 40. *Epilachna dregei*, Nov. 1898.
 41. " " Feb. 1899.
 42. *Chilomenes lunata*, Feb. 1899.
 Figs. 43 to 47 represent a convergent group of red and black coloured Hemiptera—a Reduviid mimicking Lygaeids.
 43. *Reduvius* sp., Jan. 1900.
 44. *Lygæus rivularis*, Nov. 1899.
 45. *Graphostethus serrus*, Feb. 1900.
 46. *Lygæus elegans*, Feb. 1900.
 47. " *crudelis*, Jan. 1900.
 Another Hemipterous group showing Reduviids mimicking Pyrrhocorids is shown in Figs. 48 to 52.
 48. *Phonoctonus nigro-fasciatus*, Oct. 1897, Malvern, near Durban, Natal.
 49. *Dysdercus nigro-fasciatus*, Oct. 1897, Malvern, near Durban, Natal.
 50. *Dysdercus superstitiosus*, April 1900.
 51. " *intermedius*, Feb. 1900.
 52. *Phonoctonus formosus*, Feb. 1900.

The remaining figures represent a group containing a
Locustid and an Hemipteron mimetic of ants.

- FIG. 53. *Camponotus* sp.? ♀ × 1½, Feb. 17, 1901.
 54. " *sericeus*, ♀ × 1½, Feb. 17, 1901.
 55. " *cosmicus*, ♀ min. × 1½, Feb. 17, 1901.
 56. " " ♀ maj. " " "
 57. *Megapetus atratus*, × 1½, Feb. 17, 1901.
 58. " " " " " "
 59. *Myrmecophana ? fallax*, × 1½, Feb. 17, 1901.

EXPLANATION OF PLATE XX.

GROUP OF BLACK, DARK-WINGED MASHONALAND ACULEATES AND
THEIR MIMICS.

FIRST PART OF GROUP.

The Aculeates with one exception all Fossores.

All the figures are about $\frac{1}{2}$ of the natural size.

All the specimens were captured by Guy A. K. Marshall, at
Salisbury, Mashonaland, 5000 feet.

- FIG. 1. *Mutilla atropos* ♂, Nov. 1899.
 2. *Tiphia rugosa* ♀, Feb. 1899.
 3. *Elis lachesis* ♀, April 1900.
 4. " *fasciatipectennis* ♀, April 1900.
 5. " " ♀, Feb. "
 6. *Scolia alaris* ♂, April 1900.
 7. " " ♀, Mar. "
 8. " " ♀, April "
 9. " *fraterna* ♂, Jan. "
 10. " " ♀, April "
 11. " *cyanea* ♂, Jan. "
 12. " " ♀, Mar. "
 13. " *affinis* ♂, June "
 14. *Salix atropos* ♀, Mar. "
 15. " *vindex* ♀, Nov. 1899.
 16. " *dedjax* ♂, Feb. 1899 to Jan. 1900.
 17. " *regina* ♂, Feb. 1899.
 18. " *obscurus* ♀, Dec. 1899.
 19. *Pompilus sepulchralis* ♀, April 1900.
 20. " *frustratus* ♀, Nov. 1899.